

INFORMATION DISCLOSURE  STATEMENT BY APPLICANT  PTO - 1449		ATTORNEY DOCKET NO. 980110D/TL		SERIAL NUMBER To be assigned				
		APPLICANT: Masashi SHIRAISHI et al						
		FILED: Concurrently herewith		ART UNIT: 3729				
U. S. PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	NAME	Class	Sub		
11/1		4,809,103 ✓	02/1989	Lazzari	—	—		
		5,006,946 ✓	04/1991	Matsuzaki	—	—		
		5,055,969 ✓	10/1981	Putnam	—	—		
		5,065,271 ✓	11/1991	Matsuura et al	—	—		
		5,199,090	03/1993	Bell	—	—		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	Class	Sub	Translation YES NO	
11/1		53-69623	06/1978	Japan	—	—		
		3-25717	02/1991	Japan	—	—		
		3-71493	07/1991	Japan	—	—		
		3-85641	08/1991	Japan	—	—		
		5-109002	04/1993	Japan	—	—		
		5-55557	07/1993	Japan	—	—		
		6-140466	05/1994	Japan	—	—		
		6-195668	07/1994	Japan	—	—		
		6-70848	09/1994	Japan	—	—		
OTHER DOCUMENTS (Author, Title, Date, Pages, Publication, etc.)								
	"MAGNETIC HEAD ASSEMBLY AND ELECTRONIC CIRCUITRY", J. E. Hitchner et al., IBM Technical Bulletin, Vol. 25, No. 7A, December 1982.							
	PATENT ABSTRACTS OF JAPAN, Vol. 15, No. 305 (P-1234), 4 August, 1991, JP-03-10812- A (Mitsubishi Electric Corp.).							
EXAMINER: <i>[Signature]</i>				DATE CONSIDERED: 8/6/02				